

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Currently Amended)** A method comprising:
 - receiving information at a content server ~~information~~ from at least one content provider;
 - storing at least one portion of the information;
 - sending the at least one portion of the information to a user terminal for display on the user terminal;
 - receiving notification of active keys, ~~the active keys~~ associated with a current display of the at least one portion of the information ~~displayed~~ on the user terminal;
 - receiving additional information at the content server, the additional information including a later version of the at least one portion of the information;
 - ~~determining at the content server if any of the at least one portion of the information has changed by identifying~~ identifying changed information parts by determining one or more differences between the later version of the at least one portion of the information and ~~prior the stored at least one portion of the information; previously stored in a data store of the content server;~~
 - updating ~~in the data store the~~ stored at least one portion of the information based on the changed information parts; and ~~from the at least one content provider that has changed; and~~
 - transmitting ~~to the user terminal the~~ changed information parts associated with the active keys to the user terminal ~~from the at least one content provider that has changed~~ without also transmitting unchanged parts of the stored at least one portion of the information. ~~information, the changed information being real-time information.~~

2. **(Currently Amended)** The method recited in claim 1, wherein the received information comprises a plurality of real-time data values, ~~from the content provider.~~

3. **(Currently Amended)** The method recited in claim 2, wherein the received additional information comprises an additional plurality of real-time data values, and wherein the updating of information from the content provider further comprises:

accessing a hash table containing a the plurality of prior real-time data values using a plurality of keys associated with the plurality of real-time data values;

determining whether the additional plurality of real-time data values ~~received from the content provider has changed~~ includes changes from the prior plurality of real-time data values contained in the hash table; and

updating the prior values of the plurality real-time data values contained in the hash table using values of the additional plurality of real-time data values that reflect determined changes. ~~with the plurality of real-time values received from the content provider when the plurality of real-time data values received from the content provider has changed from the plurality of prior real-time data values contained in the hash table.~~

4. **(Currently Amended)** The method recited in claim 3, wherein the transmitting ~~of the plurality of real-time data values associated with the active keys that have been updated in the hash table to the user terminal~~ further comprises:

activating a data thread when a ~~real-time data~~ value of the plurality of ~~prior~~ real-time data values is updated in the hash table;

determining ~~the~~ a position on a screen of the user terminal corresponding to the ~~real-time data~~ updated value in the hash table;

transmitting the updated value in the hash table ~~real-time data value associated with an active key~~ to the user terminal for display on the screen of the user terminal in the position ~~indicated~~ determined.

5. **(Previously Presented)** The method recited in claim 4, wherein the activating step comprises activating the data thread using remote method invocation.

6. **(Currently Amended)** The method recited in claim 3, further comprising:

spawning a data server thread in response to receiving a connection request from the user terminal;

retrieving, by the data server thread, a user defined portfolio containing a plurality of keys;

generating an activated HTML page containing an embedded applet and sending the activated HTML page to the user terminal;

monitoring the plurality of keys contained in the user defined portfolio; and

identifying new ~~currently~~ active keys of said of the plurality of keys from the embedded applet.

7. **(Cancelled)**

8. **(Currently Amended)** The method recited in claim 6, comprising:

determining that whether a shutdown request has been ~~was~~ made; and

disconnecting all connections to the user terminal in response to determining ~~when~~ the shutdown request was made.

9. **(Currently Amended)** The method recited in claim 8, comprising:

retrieving ~~the plurality of~~ real-time data values on a periodic basis.

10. **(Currently Amended)** The method recited in claim 9, comprising:

notifying the a data server thread when a received real-time data value reflects a change over a previously received real-time data value ~~a real-time data value of the plurality of data that values have changed~~.

11. **(Currently Amended)** The method recited in claim 6, comprising:

determining whether a page change ~~changed~~ is required;

receiving, by the data server thread, a plurality of new active keys; and

transmitting the additional plurality of real-time data values to the user terminal through the data server thread using the new active keys.

12. **(Currently Amended)** A computer-readable medium having computer-executable instructions ~~A computer program executable by computer and embodied on a computer readable medium~~ comprising:

a real-time data server code segment configured to receive real-time data values from at least one content provider, receive active keys that are associated with at least one portion of information currently displayed on a ~~the real-time data values from at least one~~ user terminal, determine changed ~~if any of the real-time data values have changed from a~~

~~prior real-time data values~~ by identifying one or more differences between the received real-time data values and ~~the~~ prior real-time data values, and transmit one or more of the changed ~~real-time~~ data values associated with ~~the~~ one or more of the active keys without also transmitting unchanged data values to the ~~at least one~~ user terminal when any of the real-time data values associated with the one or more of the active keys ~~has~~ have changed from ~~the prior real-time data values~~.

13. **(Currently Amended)** The computer-readable medium of claim 12 ~~The computer program recited in claim 12~~, wherein the real-time data server code segment further comprises:

instructions executable to store a hash table storing the prior real-time data values in a hash table and update the stored prior real-time data values with the changed data values. ~~and being updated when the real time data values from the content provider have changed from the prior real-time data values.~~

14. **(Currently Amended)** The computer-readable medium of claim 13 ~~The computer program recited in claim 13~~, wherein the real-time data server code segment further comprises:

a web engine server module code segment to access a database having a portfolio generated by a user and generate an HTML page and applet, wherein upon receipt of a connection request from the user terminal the web engine server module code segment downloads the HTML page and applet to the user terminal ~~code segment~~.

15. **(Currently Amended)** The computer-readable medium of claim 13 ~~The computer program recited in claim 13~~, wherein the real-time data server code segment further comprises:

a source filter server module code segment to receive the real-time data values, ~~from a content provider and determine if the real-time data values have changed~~ reflect changes from stored prior real-time data values, ~~stored,~~ and activate a data thread code segment when ~~the a real-time data values have changed~~ reflects a change from a stored prior real-time data values value.

16. **(Currently Amended)** The computer-readable medium of claim 15 ~~The computer program recited in claim 15~~, wherein the real-time data server code segment further comprises:

executable instructions ~~a realtime data server module code segment~~ to communicate ~~between to~~ the user terminal ~~code segment and~~ from the source filter server module code segment through the data ~~server~~ thread code segment.

17. **(Currently Amended)** The computer-readable medium of claim 15 wherein ~~The computer program recited in claim 16, further comprising:~~

the a source filter server module code segment to receive the real-time data values from the content provider; and includes instructions executable to update the hash table based on the received real-time values.

18. **(Cancelled)**

19. **(Currently Amended)** The computer-readable medium of claim 13 ~~The computer program recited in claim 13, further comprising:~~

a web server module code segment to communicate to the user terminal ~~code segment~~ and retrieve a portfolio specified ~~by the user terminal code segment~~ from a database; and

a pagination engine module code segment, in communication with the web server module code segment, to create ~~the an~~ HTML page and applet code segment based on the portfolio selected and the size of a screen on a user terminal.

20. **(Cancelled)**

21. **(Cancelled)**

22. **(Cancelled)**

23. **(Cancelled)**

24. **(Cancelled)**

25. **(Cancelled)**

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Currently Amended) An apparatus ~~A real-time server computer comprising memory storing computer executable code modules that each comprise computer executable instructions stored in the memory, said code modules comprising:~~

a source filter server module configured to receive ~~that receives~~ data from a real-time content provider, and store ~~stores~~ the received data in a keyed hash table;

a real-time data server module comprising submodules including:

a client connection submodule configured to establish ~~that establishes~~ a data server thread connection with a remote mobile terminal;

wherein the real-time data server module is configured perform operations when ~~any~~the data server thread connection receives an active key request from the remote mobile terminal, the ~~real-time data server module performs a method~~operations including a) querying a ~~the~~ keyed hash table for corresponding data; b) determining whether the queried data differs from data currently displayed on ~~previously sent to~~ the remote mobile terminal; and c) sending the queried data to the remote mobile terminal when the queried data differs from the data currently displayed on ~~previously sent to~~ the remote mobile terminal; and d) not sending the queried data to the remote mobile terminal when the queried data does not differ from the data currently displayed on the remote mobile

~~terminal; the queried data is sent to the remote mobile terminal, otherwise the queried data is not sent to the remote mobile terminal; and~~

a web engine server module configured to communicate ~~that communicates~~ formatted data to the remote mobile terminal based on the queried data.

36. (New) The apparatus of claim 35, wherein the source filter server module is configured to:

access the keyed hash table containing a plurality of prior real-time data values using a plurality of keys associated with a plurality of later real-time data values;

determine whether the plurality of later real-time data values includes changes over the prior plurality of real-time data values contained in the keyed hash table; and

update the prior plurality real-time data values contained in the keyed hash table based on the determined changes.

37. (New) The apparatus of claim 36, wherein the web engine server module is configured to:

retrieve a portfolio selected by a user;

generate an activated HTML page containing an embedded applet for the portfolio; and

download the activated HTML page to the remote mobile terminal.

38. (New) The apparatus of claim 36, wherein the real-time data server module is configured to:

monitor the plurality of keys; and

identify currently active keys of said plurality of keys.

39. (New) The apparatus of claim 38, wherein the real-time data server module is configured to:

read the currently active keys;

determine if the currently active keys have changed;

update the keyed hash table with real-time data values for the currently active keys; and

download the updated real-time values for the currently active keys to the remote mobile terminal.

40. **(New)** The apparatus of claim 39, wherein the real-time data server module is configured to:

determine whether a shutdown request was made; and

disconnect all connections to the remote mobile terminal in response to the shutdown request.